

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

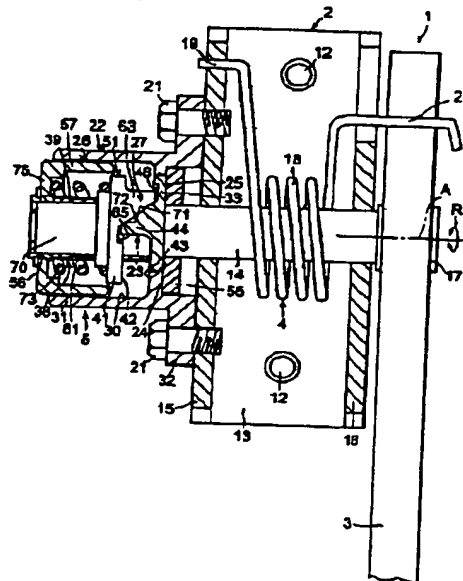
(11) Publication number: **2001147729 A**(43) Date of publication of application: **29.05.01****(54) PEDAL DEVICE FOR AUTOMOBILE AND DAMPER SUITABLE FOR THE PEDAL DEVICE**

COPYRIGHT: (C)2001,JPO

**(57) Abstract:**

**PROBLEM TO BE SOLVED:** To provide a pedal device, capable of increasing the range of pedal depression force capable of maintaining the rotational position of a pedal arm, based on the quantity of pedal depression on a fixed position according to the quantity of pedal depression, installing the device itself in a compact state as compared with a dummy cable and simply executing reaction adjustment having a hysteresis characteristic and provided with the damper having little change in characteristic suitable for the pedal device.

**SOLUTION:** This pedal device 1 for an automobile is provided with a support frame 2, an acceleration pedal arm 3 supported by the frame 2, so as to be turnable in an R direction which is a direction about an axis A, spring means 4 for turningly energizing the arm 3 to an initial turning position, and a damper 5 for applying resistance force to be gradually increased to the R directional turning of the arm 3.



(51) Int. Cl

**G05G 1/14****B60T 7/06****F16F 7/06**(21) Application number: **11329996**(22) Date of filing: **19.11.99**(71) Applicant: **OILES IND CO LTD**

(72) Inventor: **KOJIMA MASAMITSU  
IGARASHI YOSHITERU  
KUMAZAWA KATSUTOSHI**

BEST AVAILABLE COPY

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-147729

(43)Date of publication of application : 29.05.2001

(51)Int.Cl.

G05G 1/14  
B60T 7/06  
F16F 7/06

(21)Application number : 11-329996

(71)Applicant : OILES IND CO LTD

(22)Date of filing : 19.11.1999

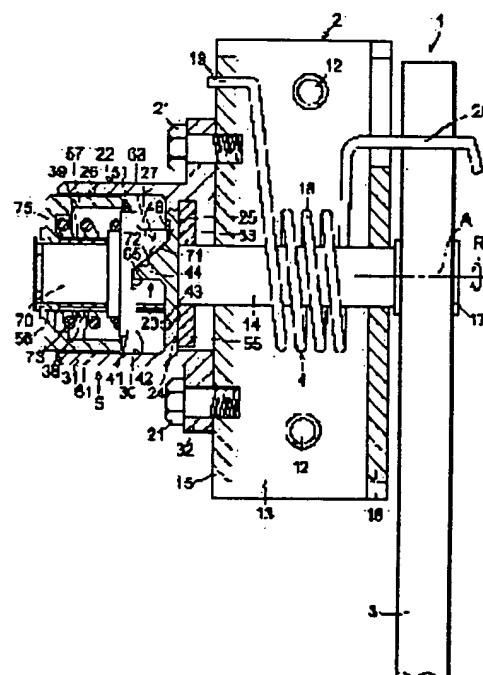
(72)Inventor : KOJIMA MASAMITSU  
IGARASHI YOSHITERU  
KUMAZAWA KATSUTOSHI

(54) PEDAL DEVICE FOR AUTOMOBILE AND DAMPER SUITABLE FOR THE PEDAL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pedal device, capable of increasing the range of pedal depression force capable of maintaining the rotational position of a pedal arm, based on the quantity of pedal depression on a fixed position according to the quantity of pedal depression, installing the device itself in a compact state as compared with a dummy cable and simply executing reaction adjustment having a hysteresis characteristic and provided with the damper having little change in characteristic suitable for the pedal device.

SOLUTION: This pedal device 1 for an automobile is provided with a support frame 2, an acceleration pedal arm 3 supported by the frame 2, so as to be turnable in an R direction which is a direction about an axis A, spring means 4 for turningly energizing the arm 3 to an initial turning position, and a damper 5 for applying resistance force to be gradually increased to the R directional turning of the arm 3.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the  
examiner's decision of rejection or application  
converted registration]

[Date of final disposal for application]

[Patent number]

KSR 003081

BEST AVAILABLE COPY